BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Certificate in Information Technology Pearson BTEC International Level 3 Subsidiary Diploma in Information Technology Pearson BTEC International Level 3 Foundation Diploma in Information Technology Pearson BTEC International Level 3 Diploma in Information Technology Pearson BTEC International Level 3 National Extended Diploma in Information Technology
Unit number and title	**Unit 13: Software testing**
Learning aim(s)	**B:** Carry out a range of testing methodologies on a software product to meet a client's needs
Assignment title	**Testing software**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You have recently started work as a software testing engineer at a start-up company which is creating new software products. The development team have produced a new software product and you have been tasked with the testing of it.

Task 1	Using the software product one of your peers has developed for unit 4 (programming) carry out the following tasks: • Select testing methodologies to use on the software product. • Create a comprehensive and effective test plan containing appropriate test cases which are based on the product's user requirements. Your test plan should cover the vast majority of the aspects of the product from using the product and performing simple tasks to fully detailed processes in the product, finding potential faults and predicting errors. • Perform the tests on the software product systematically, using the test plan you created and accurately recording the results. You should present your testing evidence as a portfolio

	which is easy to read and understand by a third party. It should be logically structured and use technical engineering and software engineering terminology.
Checklist of evidence required	Completed portfolio of testing evidence.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
B.D2	Perform a comprehensive and appropriate range of tests systematically and meticulously on a software product against the user requirements, using an effective test plan.
B.M2	Perform tests systematically on a software product against the user requirements, using an effective test plan.
B.P2	Select test methodologies for a software product
B.P3	Produce test cases for a software product to be tested.
B.P4	Perform tests on a software product against the user requirements, using the test plan.

Sources of information to support you with this Assignment	Samaroo A, Thompson G, Hambling B. Software Testing: An ISTQB-BCS Certified Tester Foundation Guide 3rd edition. BCS, 2016, 978-1780172996 Crispin L, Gregory J, Agile Testing: A Practical Guide for Testers and Agile Teams. Addison Wesley 2008. 978-0321534460 Linz, T. Testing in Scrum: A Guide for Software Quality Assurance in the Agile World. Rocky Nook 2014. 978-1937538392
Other assessment materials attached to this Assignment Brief	*eg, work sheets, risk assessments, case study*